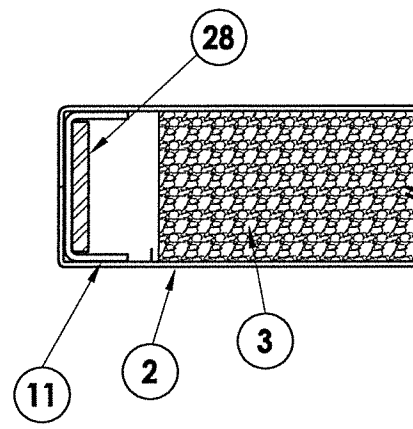
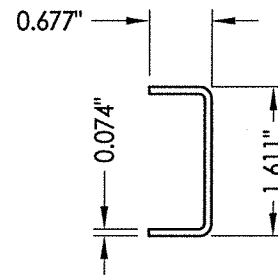
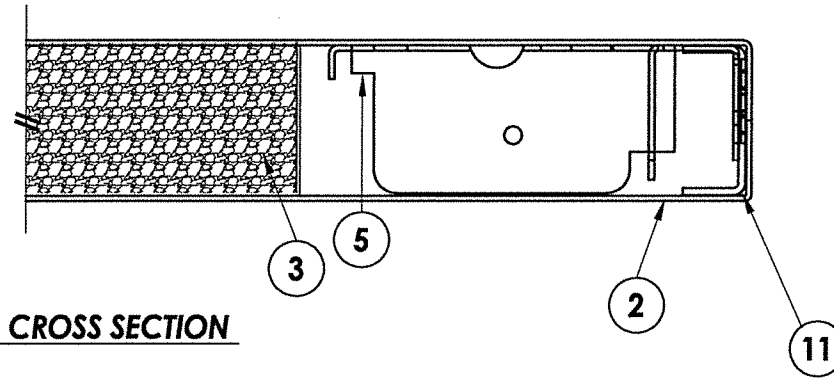
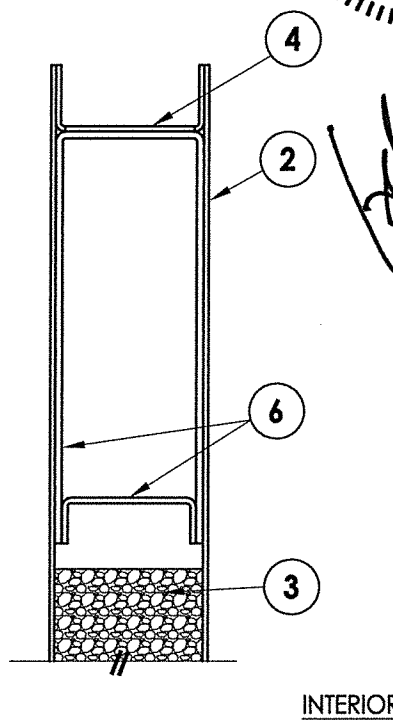




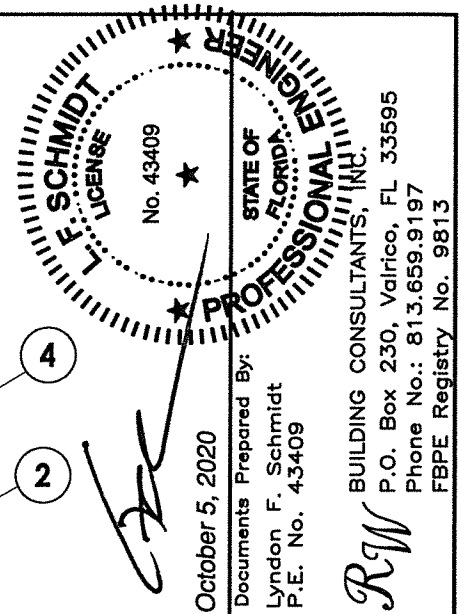
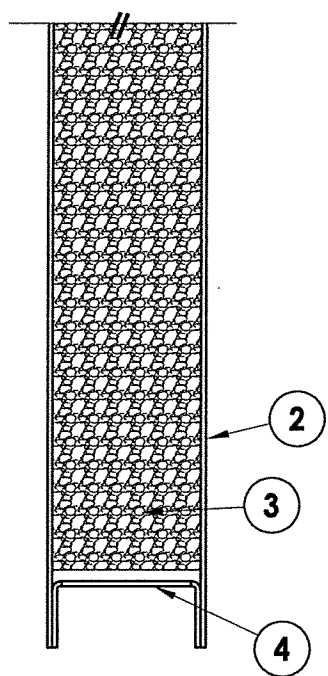
EXTERIOR



EXTERIOR



INTERIOR

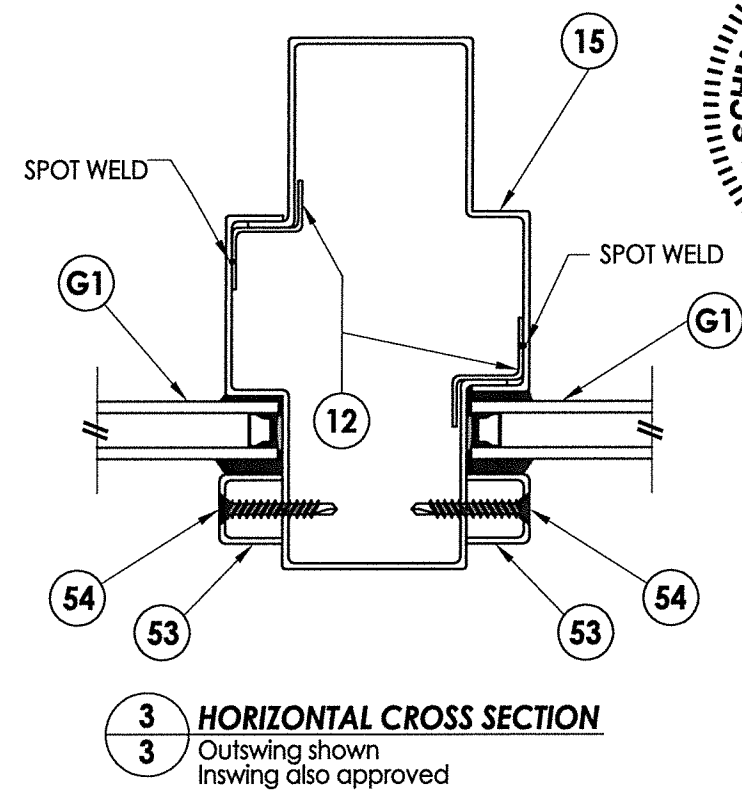
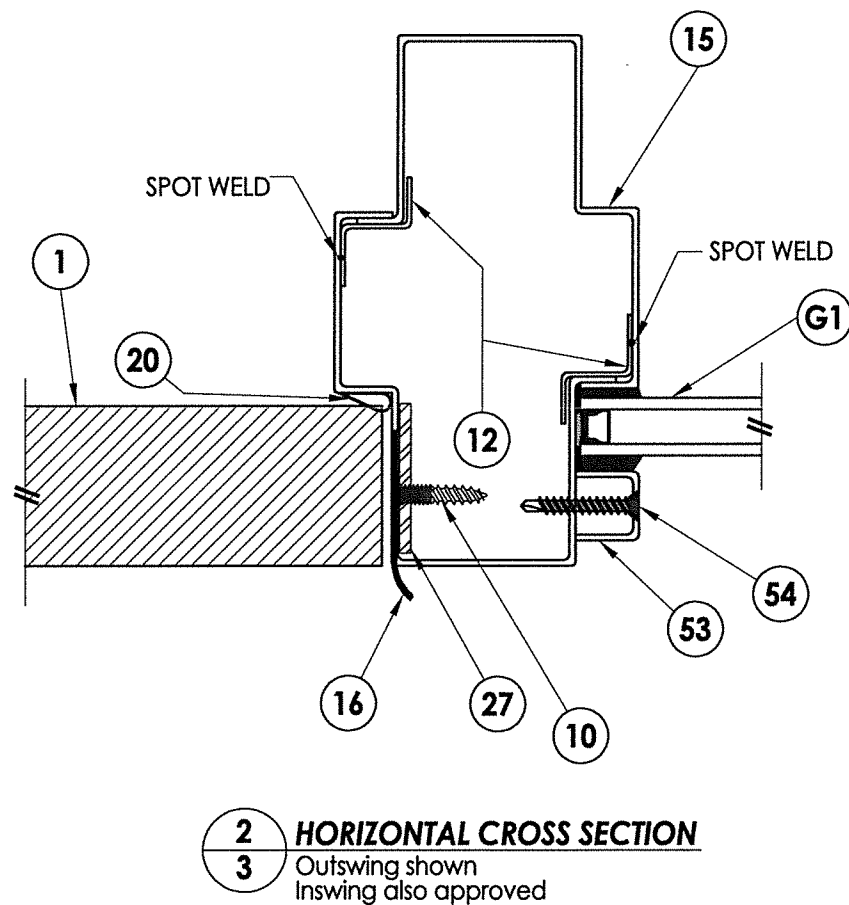


October 5, 2020

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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FBPE Registry No. 9813

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ELD

(G1)

[Signature]

October 5, 2020

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 4-3409

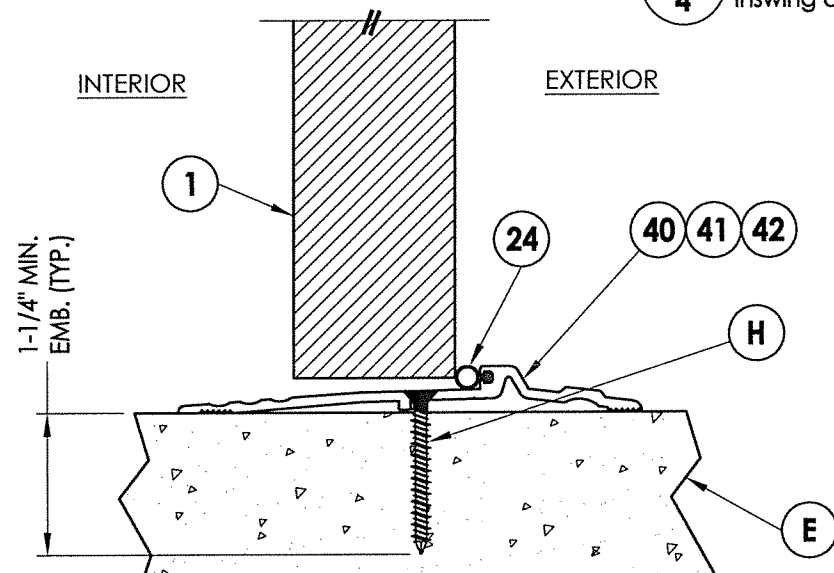
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Phone No.: 813.659.9197
FBPE Registry No. 9813

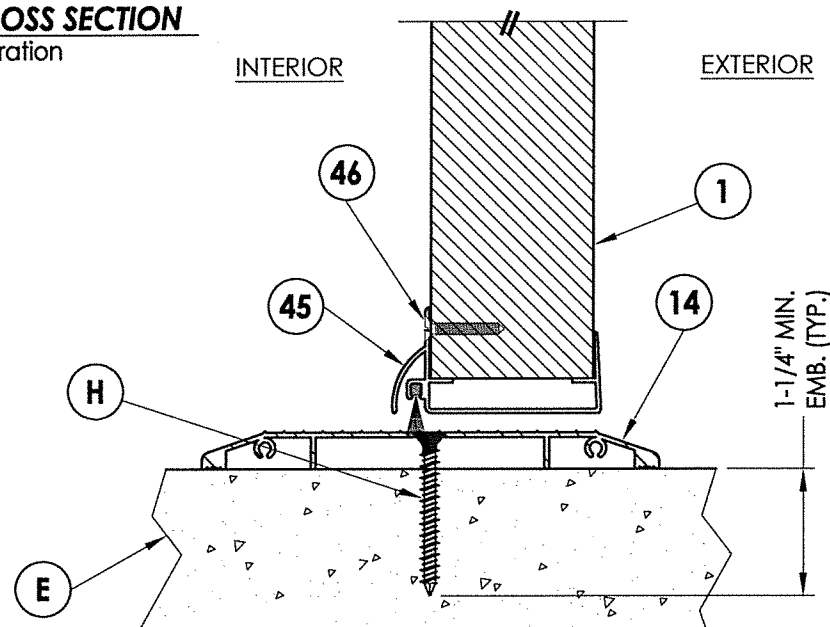
Professional Engineer
State of Florida
L. F. SCHMIDT
License
No. 4-3409

PRODUCT:		MEGAMET INDUSTRIES, INC.	
		"D" STEEL DOOR	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
3	10/01/20	UPDATE TO 7TH ED. (2020)	FBC LFS
2	10/16/17	UPDATE TO 6TH ED. (2017)	FBC LFS
1	1/06/15	UPDATE TO 5th ED. (2014)	FBC LFS
NO.	DATE		
		REVISIONS	
DATE: 7/17/13			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16493.6			
SHEET 3 OF 9			

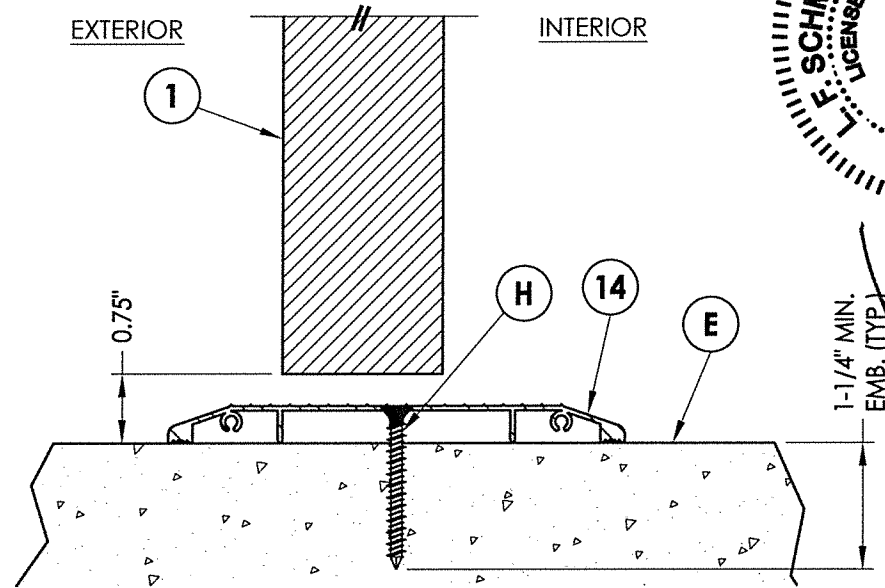
1 **VERTICAL CROSS SECTION**
4 Inswing configuration



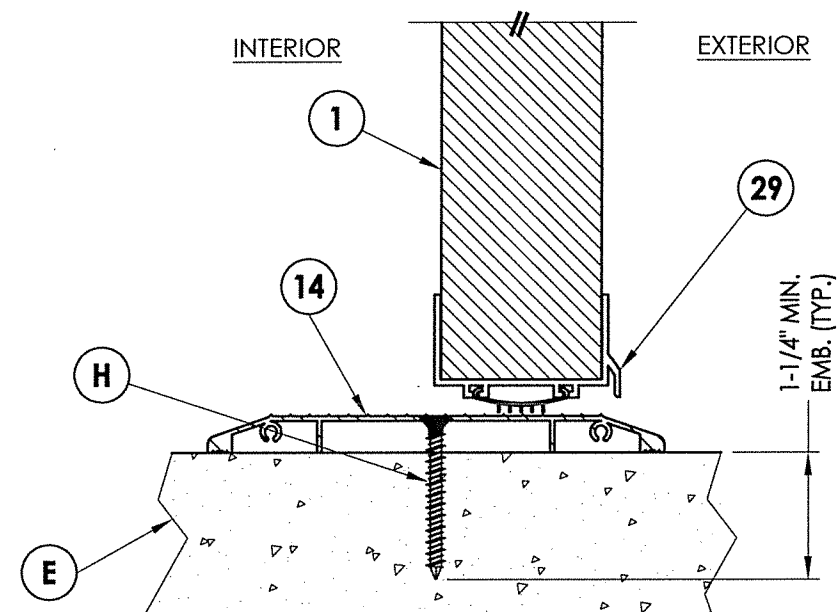
2 VERTICAL CROSS SECTION
4 Inswing configuration



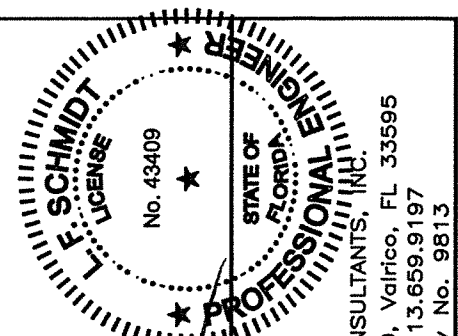
3 VERTICAL CROSS SECTION
4 Inswing configuration



5 VERTICAL CROSS SECTION



4 VERTICAL CROSS SECTION



October 5, 2020

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RCW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
MEGAMET INDUSTRIES, INC.

"D" STEEL DOOR

PART OR ASSEMBLY:

VERTICAL CROSS SECTIONS

3	10/01/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS
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1	1/06/15	UPDATE TO 5th ED.	(2014)	FBC	LFS
NO.	DATE				BY
					REVISIONS

DATE: 7/17/13

SCALE: N.T.S.

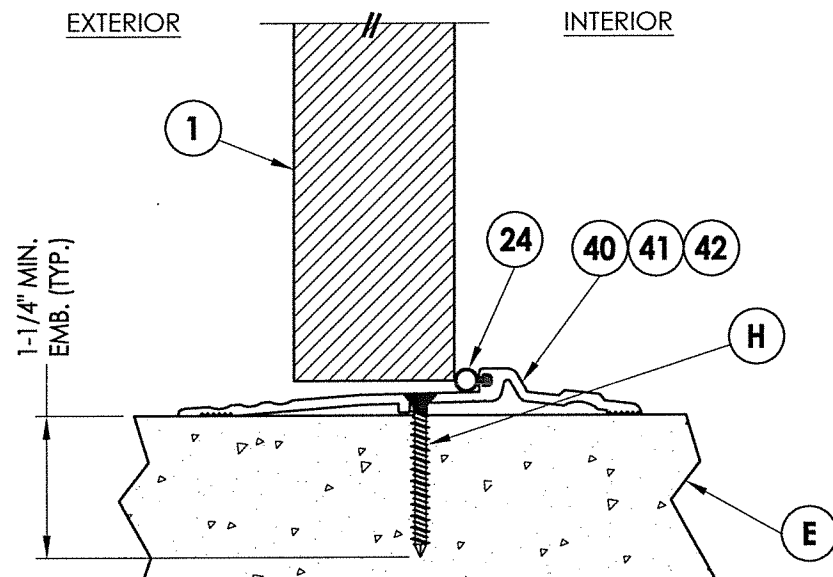
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CHK. BY: LFS

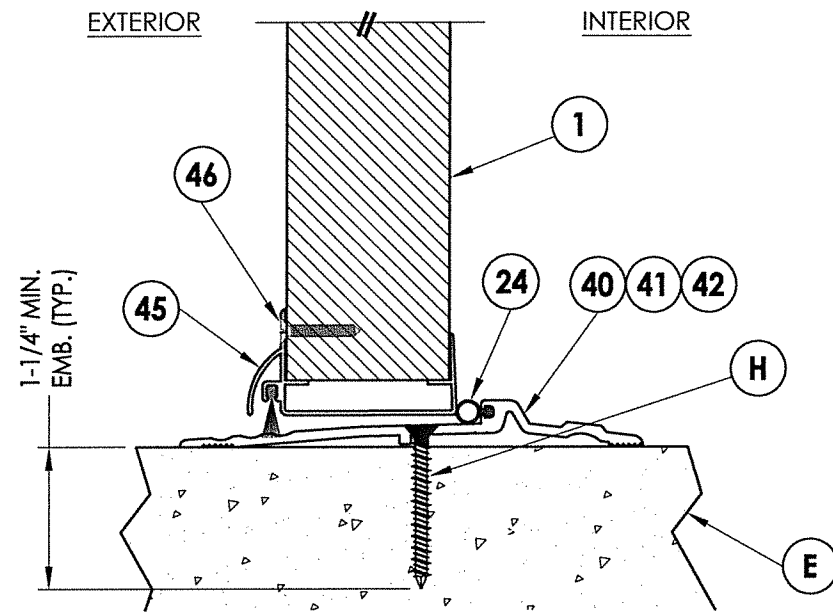
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FL-16493.6

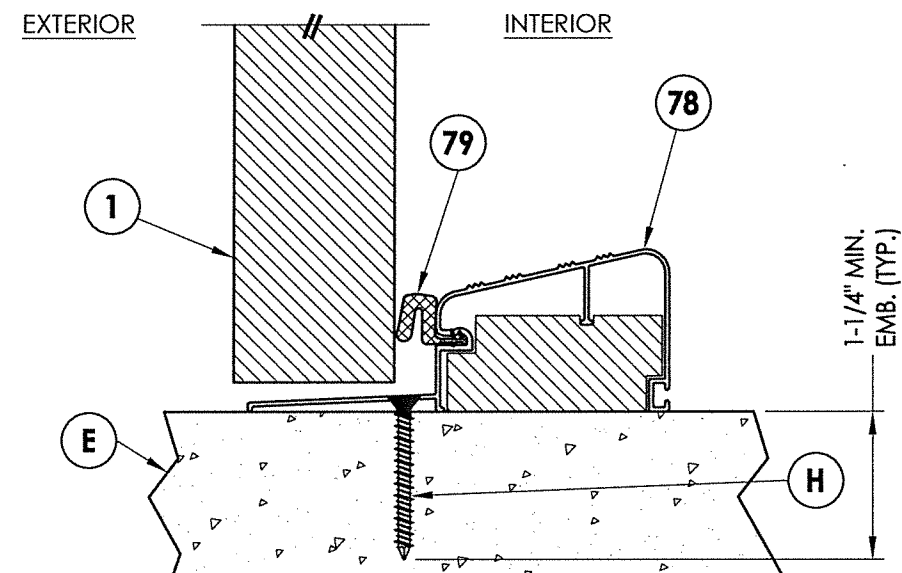
SHEET 4 OF 9



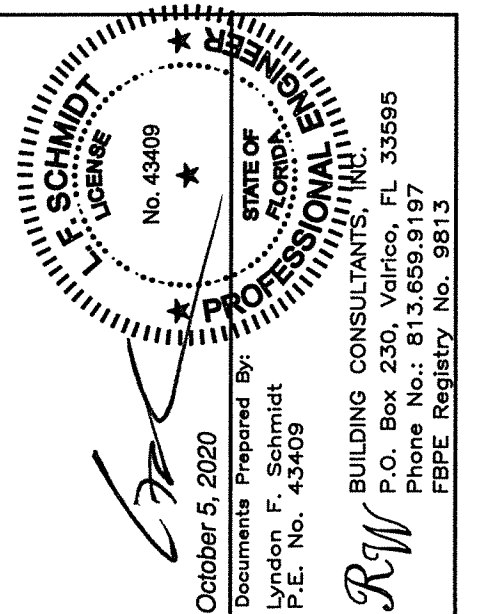
2 VERTICAL CROSS SECTION
5 Outswing shown



1 **VERTICAL CROSS SECTION**
5 Outswing shown



3 VERTICAL CROSS SECTION
5 Outswing shown



PRODUCT: MEGAMET INDUSTRIES, INC.
"D" STEEL DOOR
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

3	10/01/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS
2	10/16/17	UPDATE TO 6TH ED.	(2017)	FBC	LFS
1	1/06/15	UPDATE TO 5th ED.	(2014)	FBC	LFS
NO.	DATE				
					REVISIONS

DATE: 7/17/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16493.6

SHEET 5 OF 9

A detailed vertical cross-section diagram of a window assembly. The diagram is divided into two main sections: 'EXTERIOR' on the left and 'INTERIOR' on the right. The exterior side shows a window frame (26) with a weatherstripping seal (53) and a gasket (54). A vertical rod (G1) passes through the frame. The interior side shows a window frame (N) with a vertical rod (83) passing through it. The bottom of the assembly is shown in cross-section, with a concrete foundation (C) and a vertical rod (83) extending into it. A dimension line on the right indicates a minimum embedment depth of 2-1/2 inches (EMB. (TYP.)).

2
6

VERTICAL CROSS SECTION

2 VERTICAL CROSS SECTION
6

F. SCHMIDT
LICENSE
No. 43409
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: MEGAMET INDUSTRIES, INC.
"D" STEEL DOOR

PART OR ASSEMBLY:

VERTICAL CROSS SECTIONS

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FL-16493.6

SHEET 6 OF 9

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DETAIL 2

ANCHOR TYPE	ANCHOR SIZE	MINIMUM EMBEDMENT	MINIMUM CLEARANCE TO MASONRY EDGE	MINIMUM CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2-1/2"	4"
DYNABOLT SLEEVE ANCHOR	3/8"	1-1/2"	2-1/4"	4-1/2"
POWERS TAPPER	3/8"	1-1/2"	4"	3-3/4"
SCREW-BOLT+™	1/2"	2-1/2"	6"	6"

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NO.	DATE				BY
REVISIONS					

DATE:	7/17/13
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16493.6
SHEET	7 OF 9

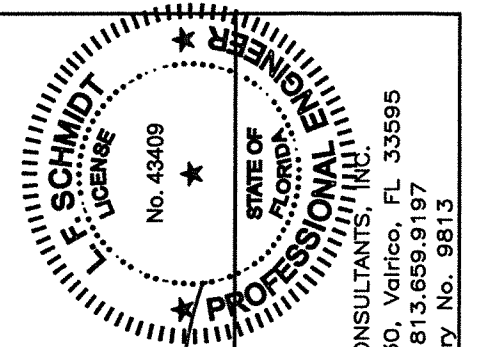
PRODUCT:
MEGAMET INDUSTRIES, INC.
"D" STEEL DOOR

PART OR ASSEMBLY:

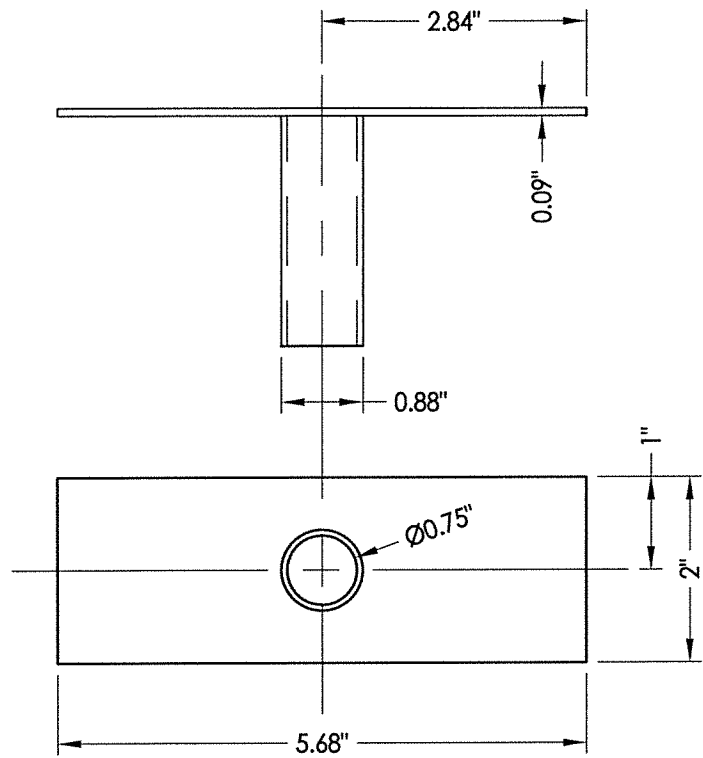
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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P.O. Box 230, Valrico, FL 33595
Phone No.: 813-659-9197
FBPE Registry No. 9813

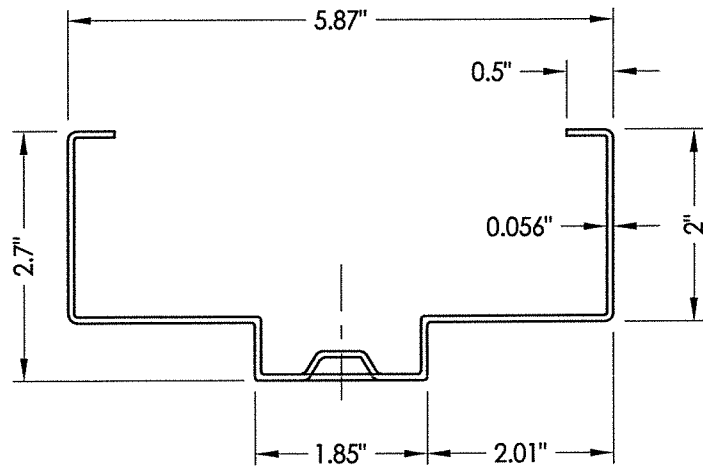
© 2013 R.W. BUILDING CONSULTANTS INC.



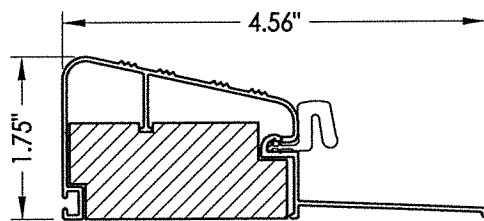
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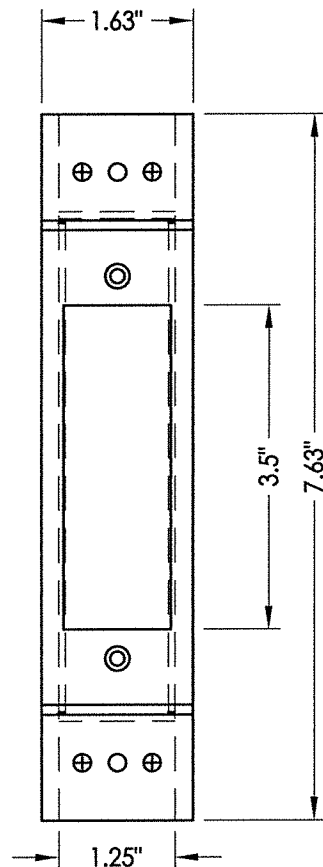
9 TUBE ANCHOR



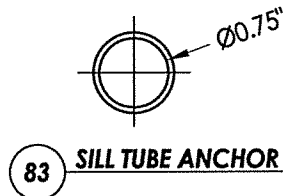
25 HOLLOW METAL FRAME



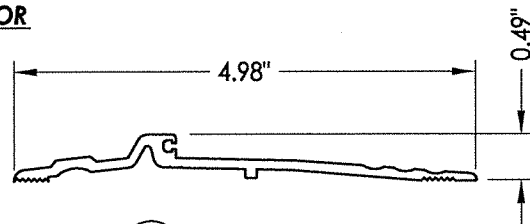
78 OUTSWING THRESHOLD



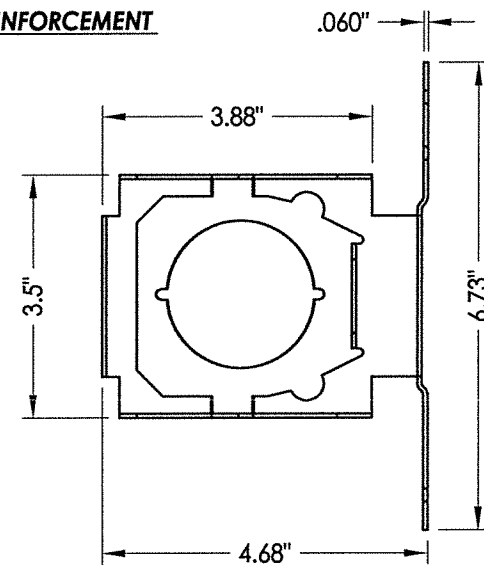
27 LATCH STRIKE REINFORCEMENT



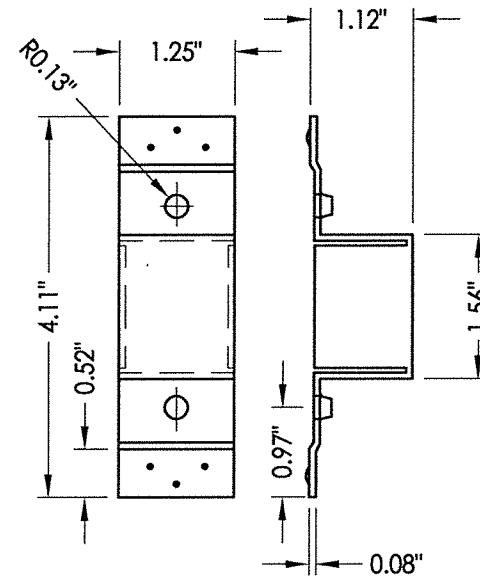
83 SILL TUBE ANCHOR



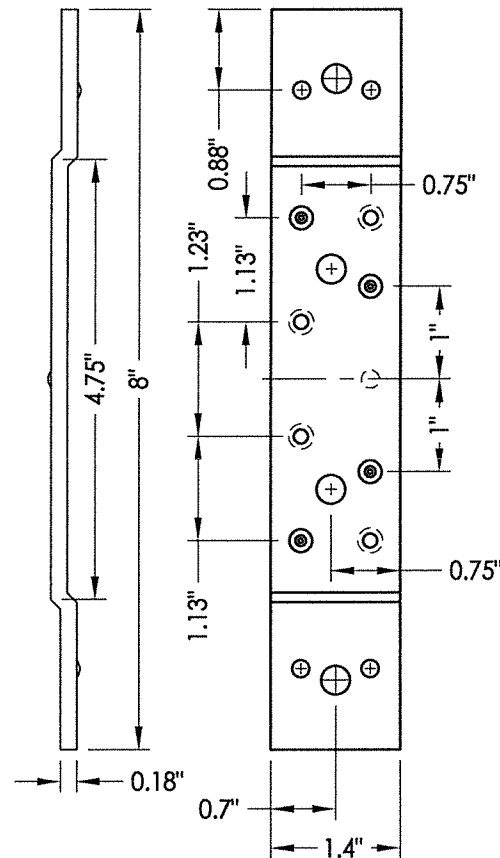
40 THRESHOLD



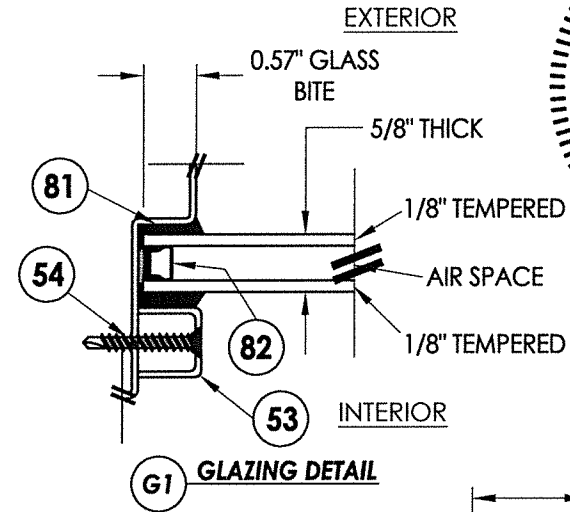
5 LOCK BOX REINFORCEMENT



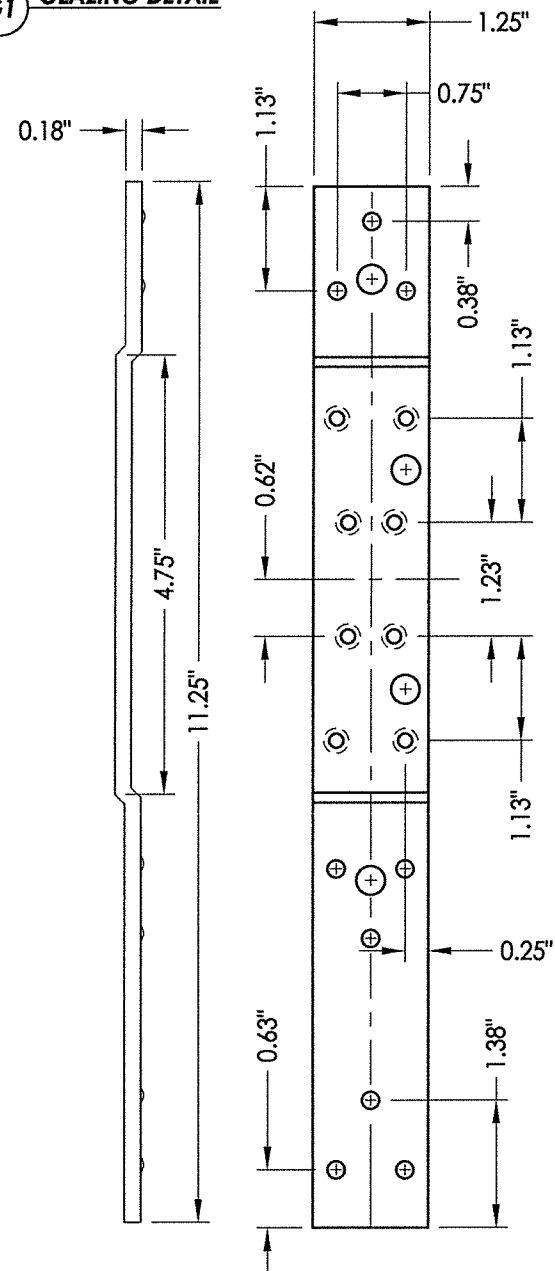
19 DEADBOLT STRIKE REINFORCEMENT



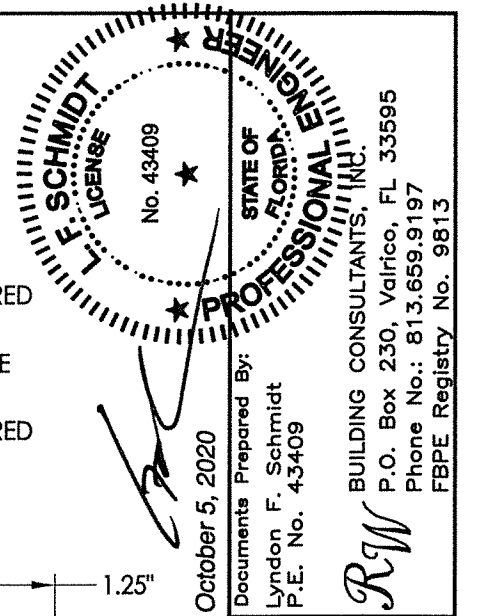
23 STANDARD (SHORT) DOOR HINGE
Reinforcement middle and bottom hinge



G1 GLAZING DETAIL



22 STANDARD (LONG) DOOR HINGE
Reinforcement top hinge



October 5, 2020

Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
MEGAMET INDUSTRIES, INC.
"D" STEEL DOOR

PART OR ASSEMBLY:
GLAZING DETAIL &
COMPONENTS

NO.	DATE	REVISIONS	BY
3	10/01/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	10/16/17	UPDATE TO 6TH ED. (2017) FBC	LFS
1	1/06/15	UPDATE TO 5TH ED. (2014) FBC	LFS

DATE: 7/17/13

SCALE: N.T.S.

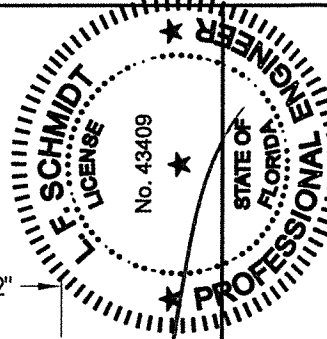
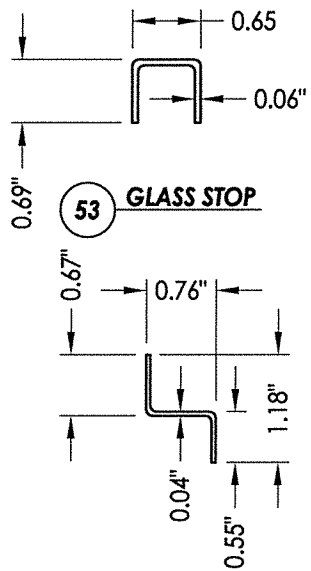
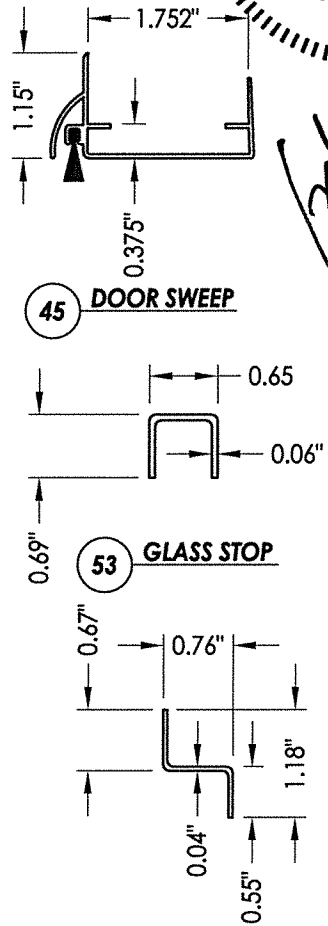
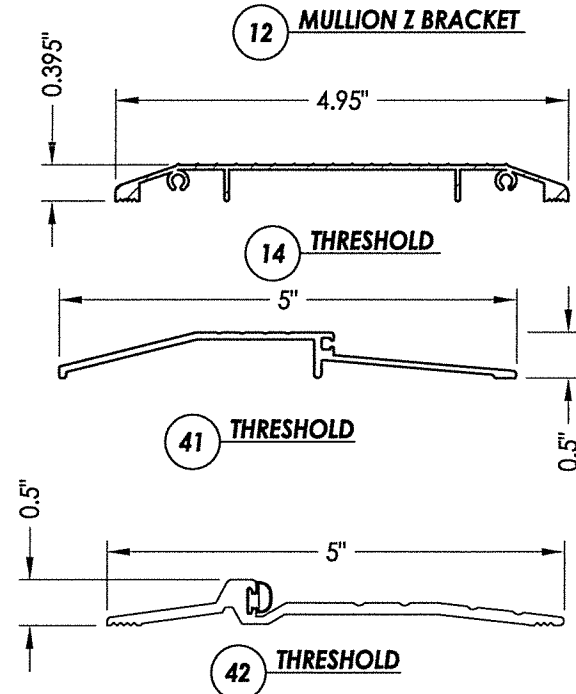
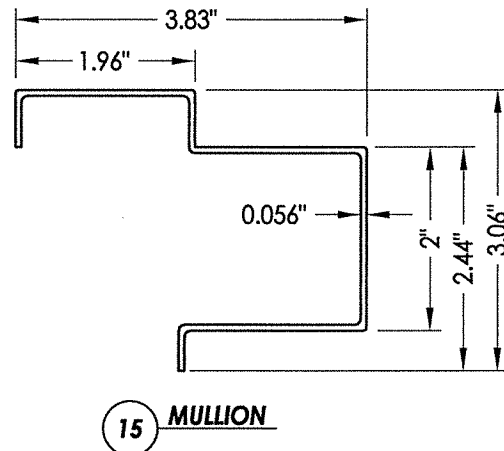
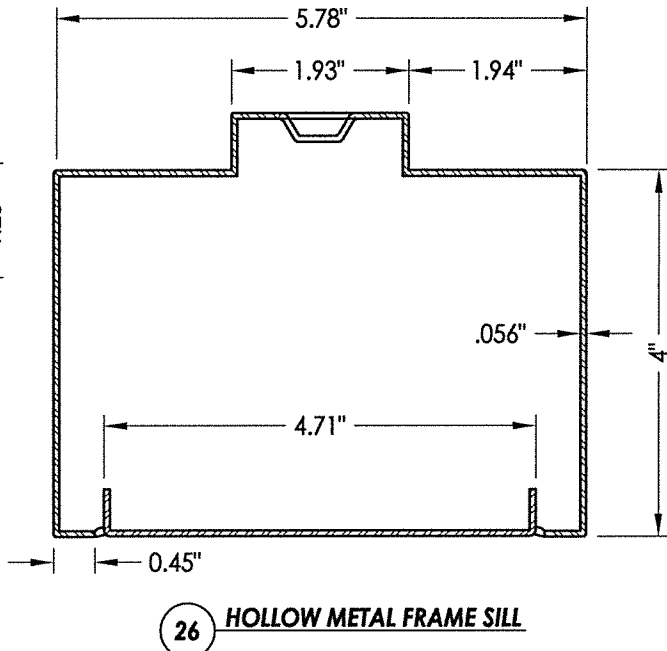
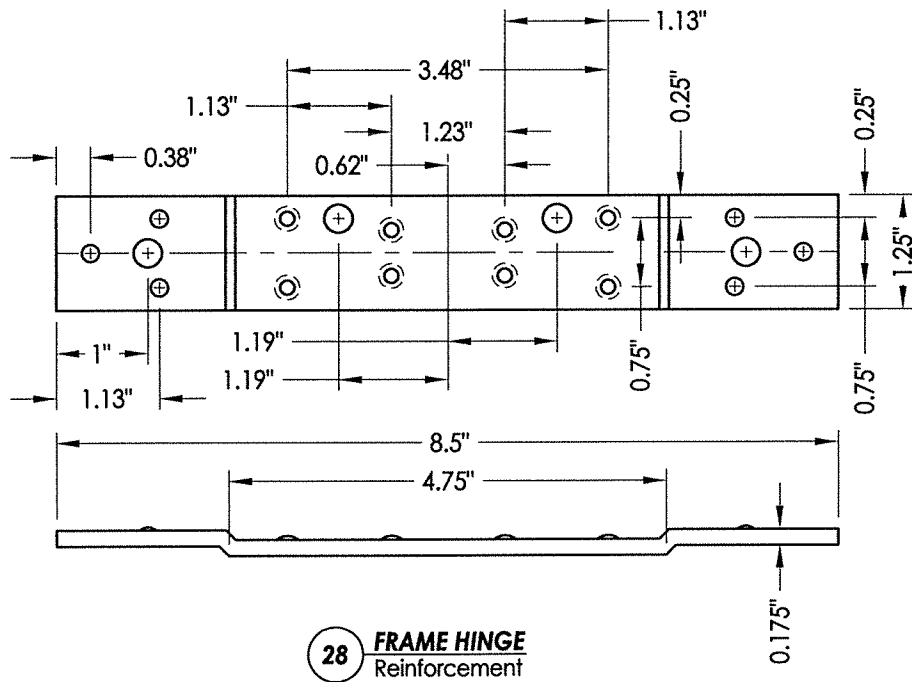
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-16493.6

SHEET 8 OF 9

BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
C	MAX. 1/4" SHIM SPACE	-	23	STANDARD (SHORT) DOOR HINGE MIDDLE BOTTOM REINFORCEMENT	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	24	WEATHER STRIP (THRESHOLD)	NEOPRENE
H	1/4" x 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	25	FRAME 5-3/4" X 2" MIN. (0.056" THK)	STEEL
J	3/8" X 5" PFH ITW DYNABOLT SLEEVE ANCHOR	STEEL	26	FRAME SILL 5-3/4" X 4" MIN. (0.056" THK)	STEEL
M	3/8" X 5" TAPPER CONCRETE SCREW BY POWERS FASTENERS	STEEL	27	LATCH STRIKE REINFORCEMENT	STEEL
N	1/2" X 8" HH SCREW-BOLT+ CONC. ANCHOR (DeWALT/POWERS)	STEEL	28	FRAME HINGE REINFORCEMENT	STEEL
1	"D" OPAQUE STEEL DOOR PANEL	-	29	COLUMBIA DOOR BOTTOM SWEEP #2580	ALUMINUM
2	DOOR SKIN (0.055" THK. STEEL, Fy = 40,317 PSI MIN.)	STEEL	40	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896	ALUMINUM
3	FOAM 1.0 PCF MIN. DENSITY	POLYSTYRENE	41	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #950	ALUMINUM
4	DOOR TOP & BOTTOM CLOSER	STEEL	42	THRESHOLD PEMKO #2005 V	ALUMINUM
5	LOCK BOX REINFORCEMENT	STEEL	45	95WHA DOOR SWEEP NATIONAL GUARD PRODUCTS, INC.	ALUMINUM
6	CLOSER REINFORCEMENT	STEEL	46	#6 X 3/4" PHILLIPS HEAD SMS	STEEL
8	#12-24 x 1/2" SELF TAPPER	STEEL	53	U-CHANNEL GLASS STOP	STEEL
9	TUBE ANCHOR	STEEL	54	#8 X 1.25" PFH SMS	STEEL
10	#12-24 x 1.0" COMBINATION MACHINE / WOOD SCREW	STEEL	70	SCHLAGE LOCK SET ASSEMBLY ND53PD	STEEL
11	DOOR STILE EDGE REINFORCEMENT	STEEL	71	DESIGN HARDWARE D1-S SERIES DEADBOLT	STEEL
12	MULLION Z BRACKET	STEEL	72	DESIGN HARDWARE "Z" SERIES ENTRY	STEEL
14	COLUMBIA ADA THRESHOLD #6510	ALUMINUM	76	DESIGN HARDWARE D2-S SERIES DEADBOLT	STEEL
15	MULLION MIN. (0.056" THK)	STEEL	77	DESIGN HARDWARE "X" SERIES ENTRY	STEEL
16	ANSI LATCH STRIKE	STEEL	78	OUTSWING THRESHOLD QOSH BY DLP	ALUM/WOOD
17	DEADBOLT STRIKE	STEEL	79	WEATHER-STRIP	FOAM
19	DEADBOLT STRIKE REINFORCEMENT	STEEL	81	DOW 995 STRUCTURAL SILICONE	SILICONE
20	WEATHER-STRIP	NEOPRENE	82	GLASS SPACER	ALUM
21	4-1/2" X 4-1/2" X 0.125" TEMPLATE HINGE	STEEL	83	SILL TUBE ANCHOR	STEEL
22	STANDARD (LONG) DOOR HINGE TOP HINGE REINFORCEMENT	STEEL			



October 5, 2020
Documents Prepared By:
Lyndon F. Schmidt
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BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
MEGAMET INDUSTRIES, INC.
"D" STEEL DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
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DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	FL-16493.6	
SHEET	9	OF 9